APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Breido, I. I., Markelova, A. A., and Schegolev, D. E.
A CLARIFICATION OF KNOWN OBJECTS ON THE OTHER SIDE OF THE MOON ACCORDING TO THE FIRST PHOTOGRAPHS (Vyyavlenie Dostovernykh Obbektov na Obratnoi Storone Luny po Ee Pervym Fotografeyam). 21 Jan 62, 11p. 3 refs.
Order from STS $10.65 STS Trans #14

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 9, p. 30-40.

DESCRIPTORS: *Moon, Exploration, Photography, *Satellite vehicle research, Lunar probes

(Astronomy--Astrophysics, TT, v. 7, no. 6)

62-12531

I. Breido, I. I.
II. Markelova, A. A.
III. Shchegolev, D. E.
IV. STS Trans-14
V. Scientific Translation Service, Altadena, Calif.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Artificial Earth Satellites.

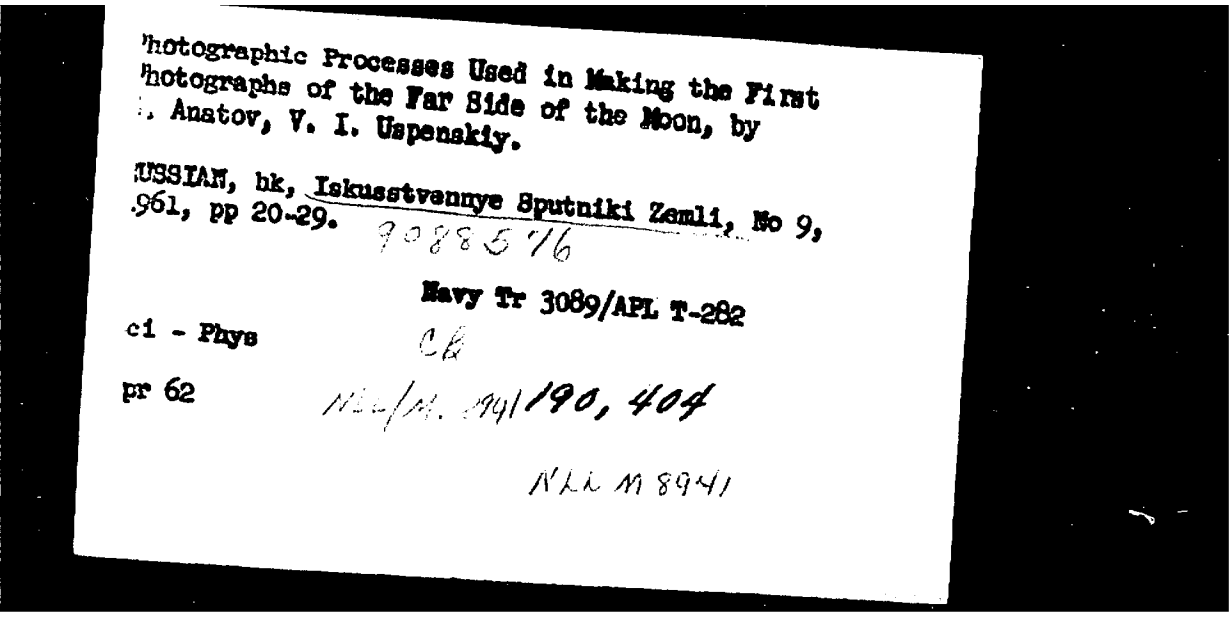
RUSSIAN, bk, Iskusstvennyye Sputnik Zemli,
Vol nor No 9, 1961.

*CB

Sci - Sp Research
May 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7



hotographic Processes Used in Making the First
hotographs of the Far Side of the Moon, by
. Anatov, V. I. Uspenskiy.

USSIAN, bk, Iskusstvennye Sputniki Zemli, No 9,
961, pp 20-29.

9088576

Navy Tr 3089/APL T-282

c1 - Phys

pr 62

NLM/M. 941/190, 404

NLM M 8941

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

INTERNATIONAL GEOLOGY REVIEW, VOL. 4, NO. 6, P. 631-[756]. June 62, 1v. 119 refs. Order from AGI $5.00, $55.00/year

Trans. of ##Iskusstvennye Sputniki Zemli (USSR) 1961, v. 9, p. 56-61; Mineralogicheskii Sbornik (USSR) 1960, v. 14, p. 80-85, 184-194, 482-483; Geologiya i Geofizika (USSR) 1960, no. 3, p. 103-108; Moskovskoe Obshchestvo Ispytatelei Prirody. Byulleten', Otdel Geologicheskii (USSR) 1960, v. 35(65) no. 4, p. 22-28; Neus Jahrbuch für Mineralogie. Abhandlungen (West Germany) 1959, v. 93, May, p. 1-44; [Chishitsugaku Zasshi] (Japan) 1959, v. 65, no. 763, p. 222-226; and mono. Sovremennye Osadki Kaspiiskogo Morya, Moscow, 1956, p. 137-150 and 272-302.
##Another trans. is available from STS $7.80 as STS Trans-16, 25 Jan 62, 6p.

(Earth Sciences--Geology, TT, v. 8, no. 5) (over)

62-17230-6

1. Title: Anthophyllite
I. American Geological Inst., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Artificial Earth Satellites, by L. V. Kurnosova, editor.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, ~~Vols IV & V,~~ 1961.

NOC 9 &10

6 *CB

Sci

Nov 61

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Markov, A. V.
DETERMINING THE STRUCTURE AND COMPOSITION OF DETAILS ON THE OTHER SIDE OF THE MOON ACCORDING TO PHOTOGRAPHS AT SMALL PHASE ANGLES (Ob Opredelenii Struktury i Stroeniya Detalei Obratnoi Storony Luny po Snimkam pri Malykh Uglakh Fazy). 23 Jan 62, 10p. 4 refs.
Order from STS $10.60 STS Trans #15

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 9, p. 41-47.

DESCRIPTORS: *Moon, Exploration, Photography, *Satellite vehicle research, Lunar probes.

(Astronomy--Astrophysics, TT, v. 7, no. 6)

62-12532

I. Markov, A. V.
II. STS Trans-15
III. Scientific Translation Service, Altadena, Calif.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Structure of the Moon's Surface and Investigation of the First Photographs of Its Far Side, by N. P. Barabashov.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 9, 1961, pp 56-61. 4057775

NASA TT F-8117

Sai

6 Mar 62

US GOV'T ONLY

NP 185.917

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Disposition of the Inner Radiation Belt and Magnetic Field of the Earth, by E. V. Gorchakov.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 9, 1961, pp 62-65.

NASA TT F-8130
CIA/FDD/XX-1134
185,904
pp

Sci

6 Mar 62

US GOV'T ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

The Outer Radiation Belt and Polar Auroras,
by E. V. Gorchakov.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 9, 1961, pp 66-70. 9077/64

NASA TT F-8116

Sci

6 Mar 62

US GOV'T ONLY

CR
TP 185,903

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Dosimetric Measurements on the Second Soviet Spaceship Satellite, by I. A. Savenko, N. F. Pisarenko, P. I. Shavrin.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 9, 1961, pp 71-77.

NASA TT F-8129
STS-tr-No 17
CIA/FDD XX-1132
185, 922

Sci

6 Mar 62

US GOV'T ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Papkov, S. F., Pisarenko, N. F. and others.
RADIOMETRIC APPARATUS ON THE SECOND SOVIET COSMIC SPACECRAFT (Radiometricheskaya Apparatura na Vtorom Sovetskom Kosmicheskom Korable-Sputnike). 27 Jan 62, 8p. 1 ref.
Order from STS $10.90 STS Trans #18

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 9, p. 78-85.

DESCRIPTORS: *Satellite vehicle research, *Spaceships, Instrumentation, *Radiometers, Tests, Cosmic rays.

(Astronomy--Astrophysics, TT, v. 7, no. 6)

62-12535

I. Papkov, S. F.
II. Pisarenko, N. F.
III. STS Trans-18
IV. Scientific Translation Service, Altadena, Calif.

CIA/FDD-
XX-1135

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Dragun, G. S., Kurnosova, L. V. and others.
APPARATUS FOR STUDYING NUCLEAR COMPONENTS OF COSMIC RAYS ON COSMIC ROCKETS AND ARTIFICIAL EARTH SATELLITES (Apparatura dlya Issledovaniya Yadernoi Komponenty Kosmicheskikh Luchei na Kosmicheskikh Raketakh i Isz).
29 Jan 62, 24p. 7 refs.
Order from STS $21.60 STS Trans. #19

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 9, p. 86-110.

DESCRIPTORS: *Satellite vehicle research, *Rocket research, *Cosmic rays, Nuclei, Detection, Instrumentation.

(Astronomy--Astrophysics, TT, v. 7, no. 6)

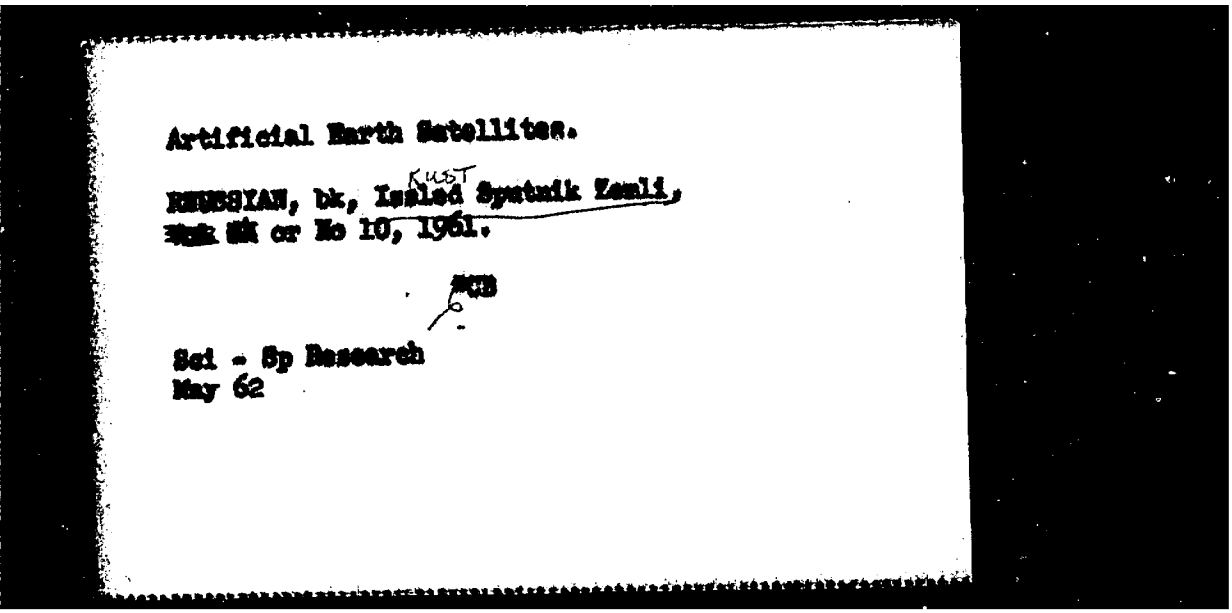
62-12536

1. Title: Cosmic rockets
I. Dragun, G. S.
II. Kurnosova, L. V.
III. STS Trans-19
IV. Scientific Translation Service, Altadena, Calif.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7



Artificial Earth Satellites.

RUSSIAN, bk, Issled Sputnik Zemli,
[illegible] or No 10, 1961.

Sci - Sp Research
May 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Investigation of Sun's Short Wave Radiation,
by A. I. Yefremov, A. L. Podmoshenskiy.

RUSSIAN, bk, Issledovaniya Solnechnoy Zemli,
No 10, 1961, pp 3-11.

NASA TT F-8178

Sci - Geophys, Phys
14 Jun 62
US GOV'T USE ONLY

201,231

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Mandel'shtam, S. L., Tindo, I. N. and others.
INVESTIGATION OF THE SUN'S X-RAY RADIATION. I. MEASUREMENTS WITH THE HELP OF GEOPHYSICAL ROCKETS (Issledovaniya Rentgenovskogo Izlucheniya Solntsa. I. Izmereniya pri Pomoshchi Geofizicheskikh Raket). 25 Feb 62, 16p. 20 refs.
Order from OTS or SLA $1.60 63-10908

Trans. of Iskusstvennye Sputniki Zemli (USSR)
1961, v. 10, p. 10-21.

DESCRIPTORS: *Sun, *X-rays, *Solar radiation, Fluxes, *Sounding rockets, *X-ray spectrum, Bremsstrahlung, Measurement, Scientific satellites, Solar spectrum.

(Astronomy--Astrophysics, TT, v. 10, no. 3)

63-10908

I. Mandel'shtam, S. L.
II. Tindo, I. N.
III. Title: Measurements ...

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Investigation of the Intensity of Charged Particles During the Flights of the Second and Third Spaceships-Satellites, by V. L. Ginzburg, I. V. Kuraosova, V. I. Logachev.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 10, 1961, pp 22-33.

CG

NASA TT F-8167

P 201, 219

Sci - Space/Res
15 Jun 62
US GOVT USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

The Outer Radiation Belt of the Earth at 320 KM Altitude, by S. N. Vernov, I. A. Savenko, P. I. Shavrin.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 10, 1961, pp 34-39.

QB NASA TT F-8151

Sci CIA/FDD-XX-1133

6 Mar 62 185,908

US GOV'T ONLY STS-Tr-5

PP

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Vernov, S. N., Sabenko, I. A. and others.
DISCOVERY OF AN INTERNAL RADIATION ZONE AT A HEIGHT OF 320 KM IN THE REGION OF THE SOUTH ATLANTIC MAGNETIC ANOMALY (Obnaruzhenie Vnutrennego Radiatsionnogo Poyasa na Vysote 320 km v Raione Yuzhno-Atlanticheskoi Magnitnoi Anomalii). 9 Jan 62, 5p. 7 refs.
Order from STS $6.50 STS Trans #6

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 10, p. 40-44.

DESCRIPTORS: *Radioactivity, *Magnetic fields, *Atlantic Ocean, Ionosphere.

(Astronomy--Astrophysics, TT, v. 7, no. 9)

62-12520

I. Vernov, S. N.
II. Sabenko, I. A.
III. STS Trans-6
IV. Scientific Translation Service, Altadena, Calif.

CB
PP

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Cosmic Ray Equator According to Data of the Second Soviet Spaceship, by I. A. Savenko, P. I. Shavrin, V. E. Nesterov.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 10, 1961, pp 45-47.

NASA TT F-8163

Sci - Space/Res
14 Jun 62
US GOV'T USE ONLY

pp 201, 202

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Filtering Apparatus for the Investigation of Sun's Short Wave Radiation, by A. I. Yefremov, A. L. Podmoshenskiy, M. A. Ivanov.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 10, 1961, pp 48-54.

NASA TT F-8180

201,229

Sci - Phys
14 Jun 62
US GOV'T USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Photocathodes for the Investigation of Sun's Short-Wave Radiation, by Yu. A. Shuba, A. M. Tyutikov, O. M. Sorokin.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 10, 1961, pp 55-60.

NASA TT F-8181

Sci - Space/Res, Phys
14 Jun 62
US GOV'T USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Glembotskii, Ya. L., Abeleva, E. A. and others. EFFECT OF COSMIC FLIGHT ENVIRONMENT ON THE FORMATION FREQUENCY OF RECESSIVE LETHAL MUTATIONS IN THE X-CHROMOSOME IN DROSOPHILA MELANOGASTER (Vliyanie Faktorov Kosmicheskogo Poleta na Chastotu Vozniknoveniya u Drosophila Melanogaster v X-Khromosome Retsessivnykh Letal'nykh Mutatsii). 12 Jan 62, 8p. 11 refs. Order from STS $10.90 STS Trans #8

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 10, p. 61-68.

DESCRIPTORS: Space flight, *Space environmental conditions, Genetics, Reproduction, *Mutations, *Chromosomes, *Drosophila, Radiation effects.

(Biological Sciences--Radiobiology, TT, v. 7, no. 9)

62-12522

I. Glembotskii, Ya. L.
II. Abeleva, E. A.
III. STS Trans-8
IV. Scientific Translation Service, Altadena, Calif.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Parfenov, G. P.
FORMATION OF DOMINANT LETHAL MUTATIONS IN DROSOPHILA MELANOGASTER DURING COSMIC FLIGHT ON A SPACECRAFT (Vozniknovenie Dominantnykh Letal'nykh Mutatsii u Drosophila Melanogaster pri Kosmicheskom Polete na Korable-Sputnike). 13 Jan 62, 3p. 5 refs.
Order from STS $3.90 STS Trans #9

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 10, p. 69-71.

DESCRIPTORS: *Mutations, Space flight, *Drosophila, Genetics, Vibration, Radiation effects.

(Biological Sciences--Radiobiology, TT, v. 7, no. 9)

62-12523

I. Parfenov, G. P.
II. STS Trans-9
III. Scientific Translation Service, Altadena, Calif.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Glembotskii, Ya. L., Prokof'eva-Bel'govskiya, A. A. and others.
EFFECT OF COSMIC FLIGHT ENVIRONMENT ON HEREDITY AND DEVELOPMENT OF ACTINOMYCES AND HIGHER PLANTS (Vliyanie Faktorov Kosmicheskogo Poleta na Nasledstvennost' i Razvitie Aktinomitsteov i Vysshikh Rastenii). 15 Jan 62, 10p. 5 refs.
Order from STS $11.50 STS Trans #10

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 10, p. 72-81.

DESCRIPTORS: *Genetics, *Space flight, Plants, *Actinomyces.

(Biological Sciences--Radiobiology, TT, v. 7, no. 9)

62-12524

I. Glembotskii, Ya. L.
II. Prokof'eva-Bel'govskiya, A. A.
III. STS Trans-10
IV. Scientific Translation Service, Altadena, Calif.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Sidorov, B. N. and Sokolov, N. N.
EFFECT OF COSMIC FLIGHT CONDITIONS ON THE SEED OF ALLIUM FISTULOSUM (ONION) AND NIGELLA DAMASCENA (NUTMEG FLOWER) (Vliyanie Uslovii Kosmicheskogo Poleta na Semena Allium Fistulosum (Luk Batun) i Nigella Damascena (Chernushka)). 16 Jan 62, 3p. 4 refs.
Order from STS $3.90 STS Trans #11

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 10, p. 93-95.

DESCRIPTORS: Space flight, *Seeds, Onions, Nuts, *Radiation effects.

(Biological Sciences--Radiobiology, TT, v. 7, no. 9)

62-12525

I. Sidorov, B. N.
II. Sokolov, N. N.
III. STS Trans-11
IV. Scientific Translation Service, Altadena, Calif.

05

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Search for Antimatter in Cosmic Rays and in Cosmic Space, by N. L. Grigorov, D. A. Zhuravlev, M. A. Kondrat'yev.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 10, 1961, pp 96, 97.

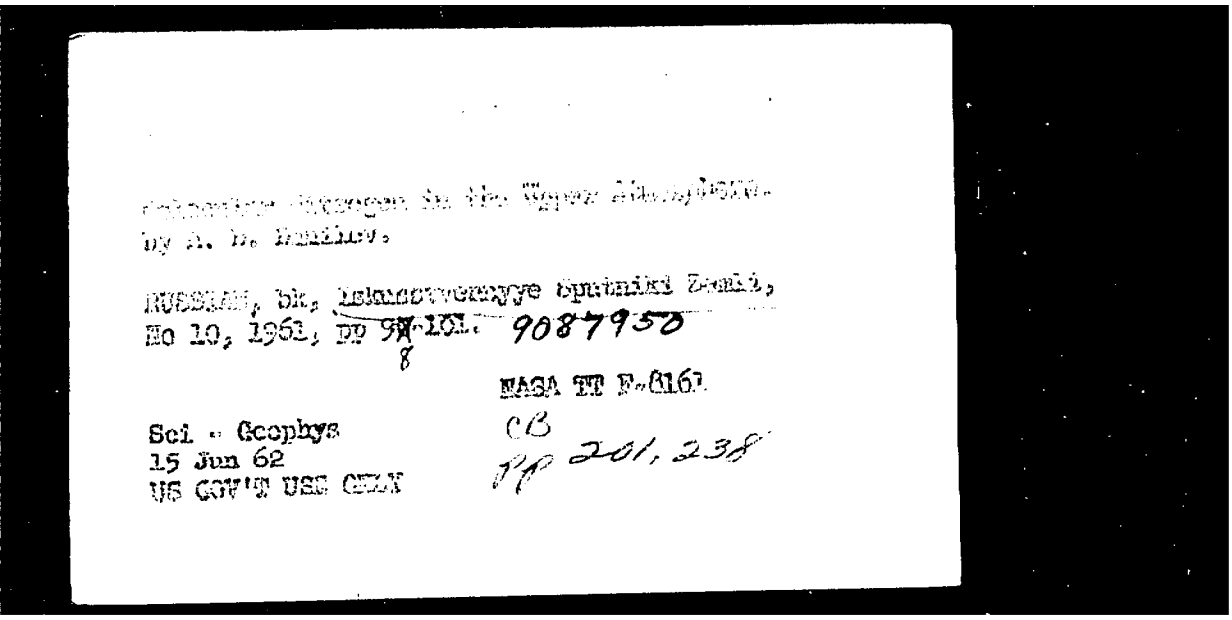
NASA TT F-8164

TT 201,225

Sci - Phys
15 Jun 62
US GOV'T USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7



[illegible] Hydrogen in the Upper Atmosphere.
by A. D. Kuzmin.

RUSSIAN, bk, Izmeritel'nyye Apparaty Zemli,
No 10, 1961, pp 97-101. 9087950

8

NASA TT F-6161

Sci - Geophys
15 Jun 62
US GOV'T USE ONLY

CB
TP 201, 238

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Some Results of Rocket Measurements of Electron Concentrations in the Ionosphere Up to 200 km (1959 through 1960), by V. A. Rudakov.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 10, 1961, pp 102-103.

Navy Tr 3086/APL T-279

Sci - Space Res

Apr 62

190,400

NASA TT F-8162
9087949

OTS 62-24051

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Investigations of Solar X-Ray Radiation. II. Measurements by Means of Spaceships, by S. L. Mandel'shtam, I. P. Tindo, 16 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1964, pp 3-15.

CB

Sci

Nov 62

216,698

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Measurement of the Solar Far-Ultraviolet Radiation of Helium, by A. V. Bruns, V. K. Prokof'yev, 9 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1962, pp 15-22.

CB

NASA TT F-8032

Sci

Nov 62

216,699

US Gov't use only

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Spectrometer for Measuring Solar Radiation in the Far Ultraviolet, by A. V. Bruns, V. K. Prokof'yev, 7 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1962, pp 23-29.

CB
NASA TT F-

Sci =

Nov 62

216,700

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

The Cosmic Ray Equator as Determined From the Data of the Third Soviet Satellite-Ship, by I. A. Savenko, V. E. Nesterov, 5 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1962, pp 30-34.

CB
NASA TT F-8007

Sci

Nov 62

US GOVT USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Processing of Nuclear Emulsions on Board the Second Spacecraft-Satellite, by Ya. M. Veprik , L. V. Kurnosova, 7 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1961, pp 35-41.

XM CB

Sci

Nov 62

216,701

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Determination of the Induced Radioactivity in the Second Space-Ship-Satellite, by V. V. Matveyev, A. D. Sokolov.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1961, pp 42, 43.

NASA TT F-823

Sci
Jan 63
US GOV'T USE ONLY

219,871

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Results of First Microbiological and Cytological Experiments on Earth Satellites in Space, by N. N. Zhukov-Verezhnikov, 25 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1962, pp 44-67.

CB

Sci

Nov 62 216,702

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Physiological Methods in Space Medicine, by O. G. Gazenko, R. M. Bayevskiy, 10 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1964, pp 68-77.

CB

Sci

Nov 62 216,703

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Some Aspects of the Metabolism of Animals After a Space Flight, by A. A. Gyurdzhian, N. N. Demin, 9 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1962, pp 78-86.

CB

Sci

Nov 62

216,704

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Solar Tracking Head, by I. G. Vasil'yev, A. I. Shapov, 8 pp.

RUSSIAN, ~~x~~ bk, Iskusstvennye Sputniki Zemli, No 11, 1963, pp 87-93.

CB
NASA TT F-9036

Sci

Nov 62

216,695

US GOV'T USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Absolute Concentrations of Ionic Components of the Earth's Atmosphere at Altitudes From 100 to 200 km, by V. G. Istomin, 6 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1962, pp 94-97.

CB
NASA TT F-9225

Sci

Nov 62 216,696

US GOVT USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Ions of Extraterrestrial Origin in the Earth's Ionosphere, by V. G. Istomin, 9 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 11, 1962, pp 98-107.

CB
NASA TT F-8210

Sci

Nov 62

216,697

US GOVT USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Artificial Earth Satellites, 174 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No XII, 1961, pp 1-151.

CB

Sci - Aerospace

Mar 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Determination of Orbits From Two Positions, by
Ya E. Yel'yasberg, 22 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, Vol XIII, 1961, pp 3-22.

CB

Sci

Aug 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Effect of the Earth's Orbital Motion on Radio-Frequency Measurements of Distance and Velocity in Outer Space, by V.M. Vakhnin, 7 PP.

RUSSIAN, BK, Iskusstvennye Sputniki Zemli, Vol XIII, 1961, pp 61-66.

CB

Sci

Aug 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Effect of a Decline in Solar Activity on Cosmic Ray Intensity, From 1958 and 1960, Geophysical Rocket-Probe Measurements, by Yu. G. Shafer, 4 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, Vol XIII, 1961, pp 85-88.

CB

Sci

Aug 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

A Study of the Night Sky and the Scattering Coefficient in the Upper Atmosphere, by A. E. Mikirov, 11 pp.

RUSSIAN, BK, Iskusstvennye Sputniki Zemli, Vol XIII, 1961, pp 97-106.

CB

Sci

Aug 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

An Attempt to Study Photometrically the Nature of the Surface Detail on the Moon's Far Side, by A. V. Markov and D. E. Shchegolev, 10 pp.

RUSSIAN, per, Iskusstvennye Sputniki Zemli, Vol IX, M 1962, pp 48-51.

CB

211,071

Sci

Sep 62

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Veprik, Ya. M., Kurnosova, L. V. and others. EXPERIMENTAL PHOTODEVELOPMENT OF PHOTOEMULSION FILMS ABOARD THE SECOND SOVIET SPACECRAFT. 23 June 62, 9p. 2 refs. Order from AIS $5.00 AIS-5

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1962, v. 11, p. 35-41.

DESCRIPTORS: *Photographic emulsions, *Photographic film, *Spaceships.

(Materials--Photographic, TT, v. 8, no. 5)

62-22024

I. Veprik, Ya. M.
II. Kurnosova, L. V.
III. AIS-5
IV. Argus Information Service, Baltimore, Md.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Measurement of Radiation Does on the Second Fourth and Fifth Spaceship-Satellites, by
I. B. Keirim-Markus, E. E. Kovalev, et al.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 12, 1962, pp 47-50.

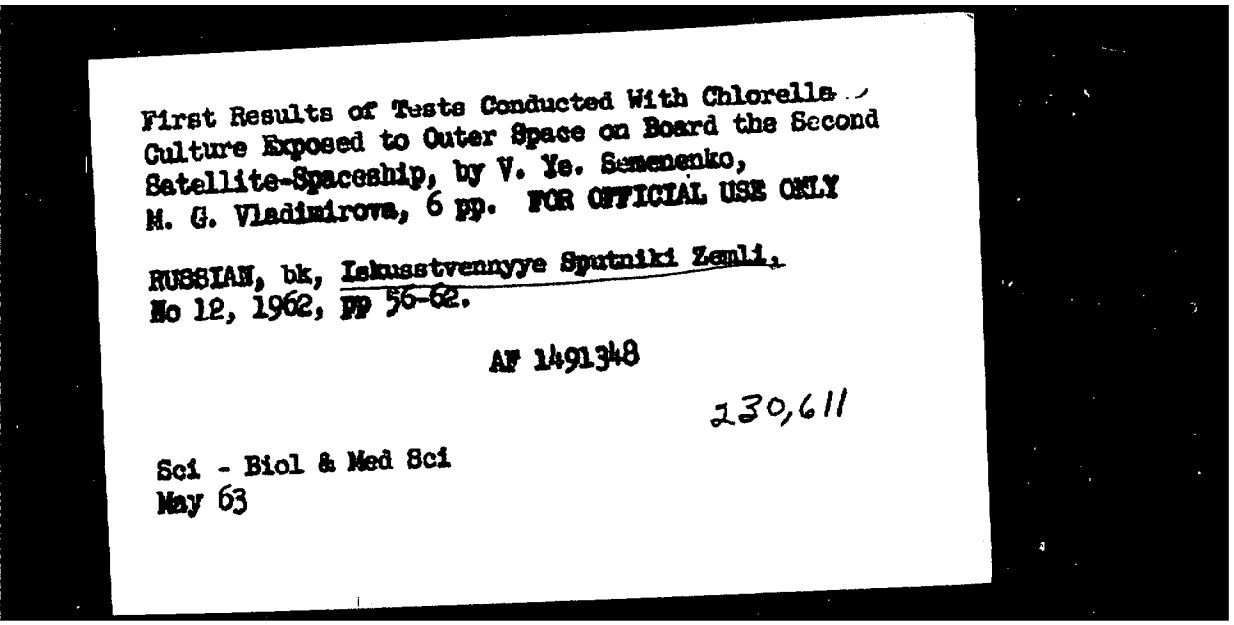
NASA TT F-8343

229251

Sci
Apr 63
US GOV'T ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7



First Results of Tests Conducted With Chlorella Culture Exposed to Outer Space on Board the Second Satellite-Spaceship, by V. Ye. Semenenko, M. G. Vladimirova, 6 pp. FOR OFFICIAL USE ONLY

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 12, 1962, pp 56-62.

AF 1491348

230,611

Sci - Biol & Med Sci
May 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Ivanov, V. I., Keirim-Markus, I. B., and Kovalev, E. E.

DOSES OF COSMIC RADIATION (Dozy Kosmicheskoi Radiatsii). [1963] [40p] (foreign text included) 29refs Order from OTS or SLA $3.60 63-18701

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1962, v. 12, p. 35-46.

DESCRIPTORS: *Cosmic rays, *Dose rate, *Radiological dosage, *Solar radiation, *Solar flares, Shielding, *Space medicine, Radiation effects, Mathematical analysis

Topics include the biological effects of radiation from primary cosmic radiation, solar flares, the outer radiation belt of the Earth, and the inner radiation belt of Earth.

(Nuclear Physics--Cosmic Rays, TT, v. 10, no. 11)

63-18701

I. Ivanov, V. I.
II. Keirim-Markus, I. B.
III. Kovalev, E. E.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Condition of Certain Natural Immunity in Dogs During Cosmic Flight, by O. G. Alekseyeva, 9 pp.
FOR OFFICIAL USE ONLY

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 12, 1962, pp 63-76.

AF 1491349

Sci - Aero
Apr 63

226,991

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Structure of the Earth's Ionized Gas Sheal According to Data of Direct Measurements of Local Charged Particle Concentrations Conducted in the USSR, by K. I. Gringauz.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 12, 1962, pp 105-118.

NASA TT F-8278

Sci
Jan 63
US GOV'T USE ONLY

219,838

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Some Results of Experiments Carried Out in Interplanetary Space by Means of Charged Particle Traps on Soviet K Cosmic Rockets, by I K. I. Gringauz.

RUSSIAN, bk, Iskusstvennyye KSK Sputniki Zemli, No 12, 1962, pp 119-132.

NASA TT F-8279

Sci - Geophys
Jan 63
US GOV't USE ONLY

219,837

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Variation in the Night Atmosphere of the Mean Molecular Weight of the Air in the 100 to 210 KM Altitude Range According to Mass Spectrometric Measurements, by A. A. Pokhunkov.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 12, 1962, pp 133-140.

NASA TT F-8282

219,865

Sci
Jan 63
US GOV'T USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Ruskol, E . L.
ON THE FORMATION OF INTERPLANETARY DUST CONDENSATION AROUND THE EARTH. Aug 63
[11p] 10refs
Order from OTS, SLA, or ETC $1.60 TT-63-20154

Trans. of [Iskusstvennye Sputniki Zemli] (USSR) 1962, v. 12, p. 145-150. (Abstract available)

DESCRIPTORS: *Interstellar matter, *Dust, Upper atmosphere, Theory, Analysis

The author proposes two mechanisms for the condensation of dust particles around the earth, namely: (1) that the capture of the interplanetary dust particles by the earth is associated with their non-elastic collisions among themselves in the neighborhood of the earth, and (2) that the upper atmosphere causes deceleration of the dust particle velocities. (Author)
(Astronomy--Astrophysics, TT, v. 11, no. 6)

TT-63-20154

I. Ruskol, E. L.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

El'yasberg, P. E.
THE DETERMINATION OF THE ORBIT FROM TWO POSITIONS. [1963] [32]p. 2 refs.
Order from OTS or SLA $3.60 63-14894

Trans. of Iskusstvennye Sputnik Zemli (USSR) 1962, v. 13, p. 3-22.

DESCRIPTORS: *Position finding, *Orbital trajectories, *Space navigation, *Rendezvous guidance, Elliptical orbit trajectories, Partial differential equations, Celestial mechanics, Numerical analysis.

The explicit guidance problem of Keplerian mechanics is discussed and analyzed in detail as to the types of motion between two positions and the existance and uniqueness of the motion. This paper is of basic interest to those interested in satellite rendezvous and intercept guidance problems. (Author)
(Engineering--Satellite Vehicles, TT, v. 10, no. 3)

63-14894

I. El'yasberg, P. E.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Artificial Earth Satellites.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli,
Moscow, No 13, 1962, pp [redacted], 85-122.

1-66

ACIC TC-590

TS 63-19536

Sci & Earth Sci & Astron
Jun 63

234995

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Analysis of the Integrals of Motion Equations for Artificial Satellite in the Normal ~~EMEN~~ Gravitational Field of the Earth, by M. D. Kislik. 48pp

RUSSIAN, bk, Iskustvennyye Sputniki Zemli, No 13, ~~1960~~, 1962 pp 23-52.

ACIC TO 590
CONSULTANTS BUREAU
CTS TT-63-19246

Sci - Earth Sci & Astron
Mar 63

226 591

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Orbit of an Equatorial Satellite of the Earth,
by V. V. Beletskiy.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli,
No 13, ~~1962~~ 1962, pp 53-60.

NASA TT F-8347

Sci
Apr 63
US GOV'T ONLY

229207

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Effect of the Earth's Orbital Motion on Radar Measurements of Remoteness and Velocity in Cosmic Space, by V. M. Vakhnin.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 13, 1962, pp 61-66.
NASA TT F-8383

Sci - Aero
Mar 64
U. S. GOVERNMENT ONLY

252,016

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Earth's Radiation Belts in the 180-250 KM Altitude Range, by S. N. Vernov, L. A. Savenko. et al.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 13, 1962, pp 67-74.

NASA TT F-9280

Sci
Jan 63
US GOV'T USE ONLY

219,846

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Radiation Belts Around the Earth at Altitudes of 180 to 250 KM, by S. N. Vernov, I. A. Savenko, et al, 12 pp.

RUSSIAN, per, Iskusstvennyye Sputniki Zemli, Ak Nauk SSSR, No 13, Moscow, 1962, pp 67-74. 9683136

FTD-TT-62-1585

Sci-Aerospace
Jun 63

232,459

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Soft Corpuscular Radiation at an Altitude of 320 km in the Equatorial Latitudes, by S. N. Vernov, P. I. Shavrin, et al, 9 pp.

RUSSIAN, per, Iskusstvennyye Sputniki Zemli, Ak Nauk SSSR, No 13, Moscow, 1962, pp 75-80.
9683136

FTD-TT-62-1585
STS Trans-S6224

Sci-Aero
Jun 63

232,460

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Measurement of Absorbed Dosage on Third Satellite Space Vehicle, by I. A. Savenko, N. P. Pisarenko, et al, 6 pp.

RUSSIAN, per, Iskusstvennyye Sputniki ~~Zemli, Ak~~ Nauk SSSR, No 13, Moscow, 1962, pp 81-84. 9683136

FTD-TT-62-1585
NASA TT F-8281

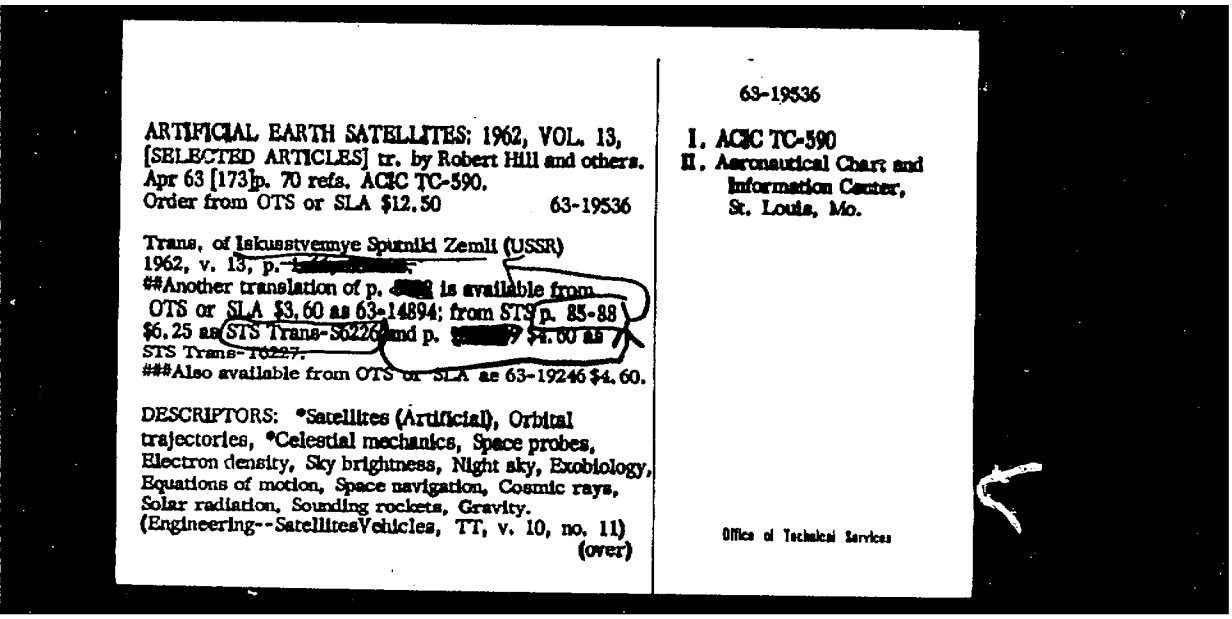
Sci-Aero
Jun 63

CB 232,461

(U.S. GOV USE ONLY)

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7



ARTIFICIAL EARTH SATELLITES; 1962, VOL. 13, [SELECTED ARTICLES] tr. by Robert Hill and others. Apr 63 [173]p. 70 refs. ACIC TC-590.
Order from OTS or SLA $12.50 63-19536

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1962, v. 13, p. [redacted].
##Another translation of p. [redacted] is available from OTS or SLA $3.60 as 63-14894; from STS p. 85-88 $6.25 as STS Trans-S6226 and p. [redacted] $4.00 as STS Trans-T6227.
###Also available from OTS or SLA as 63-19246 $4.60.

DESCRIPTORS: *Satellites (Artificial), Orbital trajectories, *Celestial mechanics, Space probes, Electron density, Sky brightness, Night sky, Exobiology, Equations of motion, Space navigation, Cosmic rays, Solar radiation, Sounding rockets, Gravity. (Engineering--SatellitesVehicles, TT, v. 10, no. 11)
(over)

63-19536

I. ACIC TC-590
II. Aeronautical Chart and Information Center, St. Louis, Mo.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Analysis of the Results of Simultaneous Measurements of Electron Concentration in the Ionosphere With the Help of Ionospheric Stations and Rockets, by K. I. Gringauz, G. L. Gdalevich.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 13, ~~1962~~ 1962, pp 89-96.

NASA TT F-8883

219,839

Sci
Jan 63
US GOV'T USE ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Direct Measurements of Nightglow in the Region λ = 8640 A., by T. M. Tarasova.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 13, ~~1962~~, pp 107-109.
1962

NASA TT F-8258

Sci
Jan 63
US GOV'T USE ONLY

STS TRANS-T6327

219,856

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Gravitational Separation, Composition and Structural Parameters of the Night Atmosphere in the 100-210 KM Altitude Range, by A. A. Pokhunkov.

RUSSIAN, bk, Issledovaniye Sputniki Zemli, No 13, 1962, pp 110-118.

1962

NASA TT F-8284

Sci
Jan 63
US GOV'T USE ONLY

219,864

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Crossing Over of Drosophila Melanogaster Males Induced, by ... E. A. Abeleva, G. P. Parfenov, et al, 5 pp. FOR OFFICIAL USE ONLY

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 13, 1962, pp 119-122.

JCS 6010007163

Sci - Aero
Jun 63

234,582

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Effect of Factors Encountered in the Space Flight of the Satellite Vehicle "Vostok-2" on Microorganisms (Investigation of Yeast Organisms of Various Ploidy), by N. V. Kovyazin, A. A. Lukin, et al, 11 pp.

RUSSIAN, per, Iskusstvennyye Sputniki Zemli, Ak Nauk SSSR, No 13, Moscow, 1962,. ~~9683136~~

pp 123-129

[redacted]
FTD-TT-62-1585

232,450

Sci-Aerospace
Jun 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Results Obtained in the Investigation of Certain Indicators of Peripheral Blood Circulation in Dogs During and After a Flight Into Outer Space, by V. V. Yakovlev, 6 pp.

RUSSIAN, per, Iskusstvennyye Sputniki Zemli, Ak Nauk SSSR, No 13, Moscow, 1962. 9683136

FTD-TT-62-1585 RS 130-133

Sci-Aerospace
Jun 63

232,437

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Light Scattering in a Spherical Atmosphere, by
V. V. Sobolev, I. N. Minin.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 14,
1962, pp 7-12.
NASA TT F-8396

Sci - AERO
Mar 64
U. S. GOVERNMENT ONLY

251,961

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Angular Distribution of the Outgoing Thermal Radiation in Different Regions of the Spectrum, by K. Ya. Kondrat'yev, K. E. Yakushevskaya.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 14, 1962, pp 13-29.

NASA TT F-8389

Sci - Aero
Mar 64 251,929
U.S. GOVERNMENT ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Spectrometric Investigation of the Ozone Layer to the Height of 60 KM, by A. V. Yakovlev, et al.
RUSSIAN, bk, ISK Iskusstvennyye Sputniki Zemli, No 14, 1962, pp 57-68.
NASA TT F-8395

Sci - Aero
Mar 64
U. S. GOVERNMENT ONYY

252,021

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Three-Stage Photoelectric Transistorized Tracking System, by I. Ya. Badinov, 9 pp.

RUSSIAN, ~~BKK~~ bk, ~~Iskusstvennyye Sputniki Zemli~~, No 14, 1962, pp 74-80. 9683461

AID Report T-63-81

Sci - Phys

Jun 63

NASA [illegible]
[illegible]
234,991

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Vertical Daytime Profile of the Radiation Balance and Its Components in the Free Atmosphere, by K. Ya. Kondrat'yev, G. N. Gayevskaya, RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 14, 1962, pp 86-94.

NASA TT F-8390

Sci - Aero
Mar 64
U.S. GOVERNMENT ONLY

251,927

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Experiment in Processing and Analysing Some of the Data Obtained on Tiros II on Measurement of Radiation Balance Components of the System Earth's Surface-Atmosphere, by K. Ya. Kondrat'yev, M. P. Fedorova. RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 14, 1962, pp 95-104.

NASA TT F-8386

Sci - Aero
Mar 64
U.S. GOVERNMENT ONYY

251,925

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Fluxes of Outgoing [redacted] Long-Wave Radiation Onto Differently Oriented Surfaces, by K. Ya. Kondrat'yev, M. P. Fedorova.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 14, 1962, pp 133-136.

NASA TT F-8387

Sci - Aero
Mar 64
U.S. GOVERNMENT ONLY

251,926

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Relationship of the Earth's and Troposphere's Ascending Radiation Field With the Temperature Field, by S. G. Kolosov.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 14, 1962, pp 137-144.

NASA TT F-8391

Sci - Ae .o
mar 64
U.S. GOVERNMENT ONLY

251,924

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Independent Optical Method of Determining the Earth Satellite Orientation in Space, by G. N. Krylov, I. A. Martynenko, et al.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 14, 1962, pp 145-153.

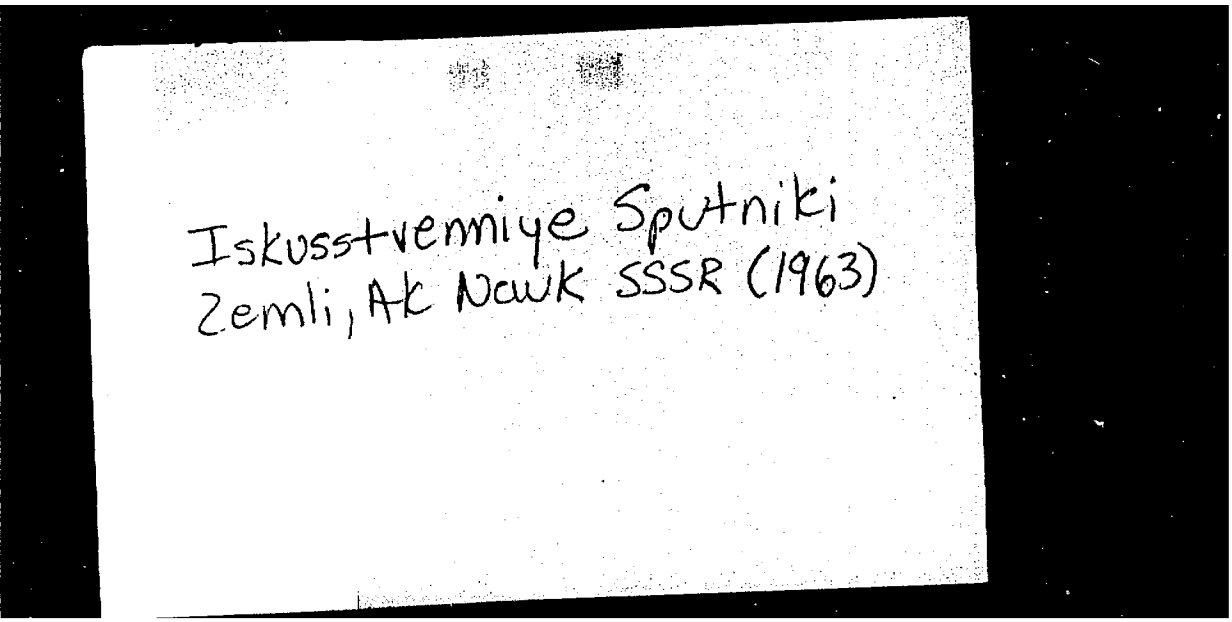
NASA TT F-8397

Sci - Aero
mar 64
U. S. GOVERNMENT ONLY

251,932

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7



APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Titles unknown. Only certain pp to be done.
U. S. GOVERNMENT ONLY

RUSSIAN, ok, Iskusstvennıye Sputniki Zemli, Ak Nauk SSSR, No 15, 1963.

*NASA TT F-above 8000 series)
Limited Distribution

Sci - Earth Sci & Ast
Aug 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

A High-Altitude Optical Station for Study of the Atmosphere,
by A. M. Kasatkin.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 15,
1963, pp 3-21.

NASA TT F-8480

Sci - Aero
Mar 64 251,890
U.S. GOVERNMENT OLLY

DSI TR 858

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Emptying and Filling Containers Under Conditions of Weightlessness, by A. S. Povitskiy, L. Ya. Lyubin.

RUSSIAN, per, Iskusst Sputniki Zemli, No 15, 1963, pp 22-27.

*FTD-TT-63-1123

Sci - Aero
Dec 63

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Certain Problems Associated With the Processes of Recombination and Ionization in the Earth's Atmosphere, by
A. D. Danilov.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 15, 1963, pp 38-43.

NASA TT F-8481

Sci - Earth Sci & Ast
Feb 64
U. S. GOVERNMENT ONLY

250,193

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

The Depth of Puncture Due to the Impact of Meteoric Particles, by E. I. Andryankin, Yu. S. Stepanov. RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 15, 1963, pp 44-52.

NASA TT F-8482

Sci - Aero
Feb 64
U.S. GOVERNMENT ONLY 250,162

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

A Method for Accelerating Microparticles Up to Meteoric Velocities, by A. K. Mukhamedzhanov, RUSSIAN, bk, Iskusstvennyye Spurniki Zemli, No 15, 1963, pp 53-56.
NASA TT F-8483

Sci - Aero
Mar 64
U.S. GOVERNMENT ONLY

251,940

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

The Action of Micrometeoric Particles on the [redacted] Optical Surfaces of Telescopes Beyond the Earth's Atmosphere, by I. D. Karachentsev.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 15, 1963, pp 57-65.

NASA TT F-8484

Sci - Aero
Mar 64
U.S. GOVERNMENT ONLY

251,889

[redacted]

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Measurement of the X-Ray and Ultraviolet Radiations With the Help of Thermoluminescent Phosphor, by T. V. Kazachenvskaya, V. A. Arkhangel'skaya, et al. RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 15, 1963, pp 72-80.
NASA TT F-8600

Sci - Aero
May 64
U.S. GOVERNMENT ONLY-

258,621

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Interpretation of Data From Rocket Measurements in the Upper Atmosphere Obtained With the Aid of Thermoluminescent Phosphor, by T. V. Kazachevskaya, G. S. Ivanov-Kholodnyy.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 15, 1963, pp 81-84.

NASA TT F-8485

Sci - Aero
Mar 64
U.S. GOVERNMENT ONLY

251,891

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

The Direct Observations of Solar Plasma Streams at a Distance of Some, 1,900,000 KM From the Earth, Made on 17 February 1961; and the Simultaneous Observations of the Geomagnetic Field, by K. I. Gringauz, V. V. Bezrukikh.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 15, 1963, pp 98-101.

NASA TT F-8486

Sci - Aero
Mar 64
U.S. GOVERNMENT ONYY 251,867

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Measuring the Doseame of Radiation Received by Yu. A. Gagarin, G. ?. Titov at the Time for First Space Flights, by I. B. Keirim-Markus, Ye. Ye. Kovalev, 5 pp.

Ur,
RUSSKIAN, [illegible] Iskusstv Apparatov Semli, No 15, 1963, pp 102-103. 96B033

FTD-TT-63-1017
NASA TT F-9659
(NOT FOR PUBLIC RELEASE)

Pci - Acro
Jan 64

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Change in Certain Natural Immunity Factors in Dogs Flown on the Fourth and Fifth Satellite-Spaceships, by A. P. Volkova, 5 pp. FOR OFFICIAL USE ONLY

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 15, 1963, pp 109-112.

JCS 6010023963
(DIA)

Sci - Aero
Nov 63

242, 292

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

RUSSIAN, bk, Iskusstvennıye Spotniki Zemli, No 16, 1963.

*NASA
Limited Distribution

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

X A System of Gravitational Stabilization of Artificial Satellites, by D. E. Okhotsimsky, V. A. Sarychev, 7pp. RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 16, 1963, pp 5-9. 9222618

NASA TT F-8501
OTS TT-63-11774
Navy Tr 3624/APL T408

Sci - Aero
Mar 64
U. S. GOVERNMENT ONLY

252,024

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Investigation of the Dynamics of the Gravitational Stabilization System, by V. A. Sarychev, 31 pp.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 16, 1963, pp XXX 10-33.
NASA TT F-8502; Navy Tr 36967/APL T422 (9217297)
OTS-TT-64-11512

Sci - Aero
Mar 64 252,025
U. S. GOVERNMENT ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

The Use of Force Effects of Solar Gravitational and Light Fields for Orientation of Space Vehicles, by O. V. Gurko, L. I. Slabky.
RUSSIAN, pk, Iskusstvennyye Sputniki Zemli, No 16, 1963, pp 34,-45.
NASA TT F-8503

Sci - Aero 252,026
Mar 64
U. S. GOVERNMENT ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Satellite Libration in an Elliptic Orbit, by V. V. Beletsky, RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 16, 1963, pp 46-56. 9224742
NASA TT F-8504

Sci - Aero
Mar 64 252,027
U. S. GOVERNMENT ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7

Investigation of One Type of Autooscillations of a Space Vehicle, by E. V. Gaushus.
RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 16, 1963, pp 57-67.
NASA TT F-8505

Sci - Aero
Mar 64 252,028
U. S. GOVERNMENT ONLY

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100140036-7